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**Fuel Cycle Facilities** 

...

## What We Regulate

Stages of the Nuclear Fuel Cycle

#### **Uranium Milling**

Uranium Conversion

Uranium Enrichment

**Fuel Fabrication** 

# How We Regulate

Regulations, Guidance, and Communications

#### Licensing

New Fuel Facility Licensing

#### Oversight

Public Involvement in the Fuel Cycle Program

# Related Links

Location of Uranium Milling Facilities

Location of Fuel Cycle Facilities

Producing Nuclear Fuel (NUREG/BR-0280)

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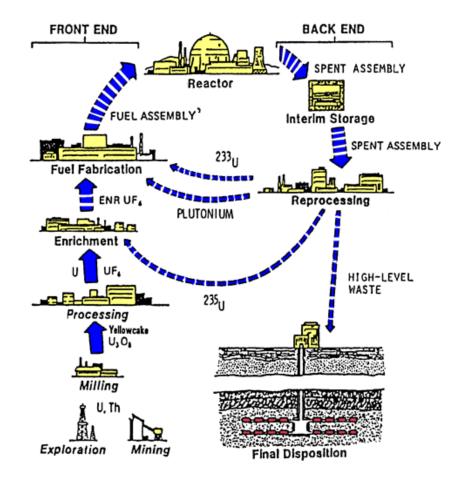
Materials Quick Links

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# Stages of the Nuclear Fuel Cycle

The nuclear fuel cycle uses uranium in different chemical and physical forms. Stages of this cycle typically include the following:

- mining (extracting from ore) and milling
- · conversion to uranium hexafluoride
- enrichment
- fuel fabrication into uranium oxide
- use of the fuel in nuclear power, research, or naval propulsion reactors
- Interim Storage
- Reprocessing (currently not done in the U.S.)
- High-Level Waste



Neither a reprocessing facility nor a Federal waste repository is currently approved (licensed) in the United States, and spent fuel is in interim storage. See High-Level Waste Disposal.

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